

Holds a B. Sc. in Mechanical Power Engineering and has over 9 years hands-on experience working mainly in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 28/06/1981
Gender : Male
Marital Status : Married
Residence : Kafr El-Sheikh

EDUCATION

: B. Sc. in Mechanical Power Engineering, Zagazig University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D

TRAINING COURSES AND CERTIFICATIONS

- : General Electric Power System (Feb./Mar. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt:
 - Operation and Maintenance Gas Turbine (6 FA).
 - Speedtronic MKVI Gas Turbine Maintenance (6 FA).
 - Generator Excitation & Static Frequency Control (6 FA).
- : SIEMENS, Energy Service (Mar. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt: Basic Course Steam Turbine (SST-900).
- : TORISHIMA PUMP (Japan) (Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt:
 - Circulating Water Pump.
 - Feed Water Pump.
 - Condensate Pump.
- : NEM Energy b.v. (USA) (Mar. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt:
 - Heat Recovery Steam Generation.
 - HTF Heat Exchangers.

- : General concept of combined cycle, Iberdrola Engineering & construction (Spain) (Mar. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt: Thermal power plant, combined cycle, main element of combined cycle, configuration and performance, start-up, operation and shutdown.
- : Mechanical system, Iberdrola Engineering & construction (Spain) (Mar./Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt: Condensate system, feed water system, circulating system , open and closed cooling system, compressed air system, supply of gas fuel system, raw water, service water and distribution system, decriminalized water and distribution system, fire protection system, HVAC system, handling and lifting system.
- : Electrical Protection, Iberdrola Engineering & construction (Spain) (Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt.
- : Continuous Emission Monitoring System (CEMS), ANATRA (Spain) (Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt.
- : Cooling Tower Operation & Maintenance, Esinds Service (Spain) (Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt.
- : Fire Fighting System, Chepro OHL Industrial (Spain) (Apr. 2010), El-Kureimat ISCC Power Plant, Giza, Egypt.
- : Mechanical Works, Orascom and Flagsol Companies (Jul./Aug. 2013): Tubing welding, assemble and disassemble the mirror, pumps and valves operation and maintenance.
- : Pathways to Higher Education Program.
- : Summer training at Nubaria Power Plant (from Jul. till Sep. 2004): Study of mechanical drawings, Preventive maintenance of Gas Turbine and their auxiliary, Preventive maintenance of Pumps and Compressors.
- : Summer training at Mahmoudia Power Plant (from Jul. till Sep. 2005): Study of mechanical drawings, Preventive maintenance of Gas and Steam Turbine and their auxiliary, Preventive maintenance of Diesel Generator, Preventive maintenance of Pumps, Valves and Compressors.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2010 till now
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat Thermal Power Plant (2x627MW), Cairo
- Job title** : Mechanical Maintenance Engineer
- Job Description** :
- From Feb. 2010 till now:
 - Delegated at New and Renewable Energy Authority (NREA), El-Kureimat Integrated Solar Combined Cycle (ISCC), Cairo:
 - Plan and establish preventive maintenance schedules, includes establishing maintenance of gas turbine and auxiliaries, steam turbine and auxiliaries, heat recovery steam generation establishing and standardizing materials (spare parts, equipment and tools) required for maintenance work, reading and apply the troubleshooting for solve the equipment problem.
 - Oct. 2011: Combustion chamber inspection overhaul of gas turbine (CI).
 - Jan. 2012: Repair the Diverter Damper (change the internal bearing shaft, remove and adjustable the connection rod length, assemble and disassemble Diverter Damper hinge, change the sealing lamellas).
 - May 2012: Heat Transfer Fluid (HTF) heat exchanger removes the tube bundle and repairs the damage in tubes. Assemble the tubes bundle and

making hydro test.

- Oct. 2013: Combustion chamber inspection overhaul of gas turbine (CI).
- Nov. 2013: Forced mini major overhaul for gas turbine (bearing inspection).
- Dec. 2013: Forced major overhaul for gas turbine (Rotor inspection).
- Dec. 2015: Enhancement and modification of gas turbine compressor.
- Jan. 2016: Assemble and Disassemble the buckets of gas turbine.
- Jan. 2016: Assemble and Disassemble the inlet guide vans (IGV).

Dates : From Apr. 2009 till Dec. 2009
Employer : NOBEL FOR ENGINEERING WORKS, Nasr City, Cairo (Egypt)
Job title : Site Engineer
Job Description : Heating, Ventilation & Air Condition Systems (HVAC).

Dates : From Nov. 2008 till Mar. 2009
Employer : 3M Company for Air Compressors, Masr El Gedida, Cairo (Egypt)
Job title : Maintenance Engineer
Job Description : Spare Parts Sales & Maintenance Air Compressors.

Dates : From Nov. 2007 till Oct. 2008
Employer : ECCO – spi Engineering Company for specialized projects & industries, Petroleum Services, Manufacturing and Installation of Petroleum Equipment's, El-Shorouk, Cairo (Egypt)
Job title : Mechanical Installation Engineer
Job Description :

- Office Works:
 - Studying the system specifications and requirements to select the suitable equipment, Reviewing the workshop drawing (for the system frame and piping) and determining the production requirements.
- Yard (Workshop) Works:
 - Following up the frame and piping fabrication, Installing the equipment by following technical instructions, Making running tests and checking the system performance, with considering the running conditions as can as possible. Disassembling and packing the system (if required).
- Sites Works:
 - Issuing the work permits, Checking the foundation specification, Checking the Power Sources (electricity, compressed air and water), Installing the system (main equipment, accessories and electric wiring), Making the primary running tests to achieve the best operation, Commissioning test under the client observation, Presenting the system running concepts and operation instructions (if required), Replying client comments and his requests.

Field of experience :

- Good command of preparing preventive maintenance schedule plan.
- Investigation and prevention of recurring problems.
- Good command of Mechanical fault ride and troubleshooting.